

Claims

1. Hair removal paddle (1), comprising a base body (2) made of polymer material, as well as metallic additional components (4, 5, 6, 7, 9, 10, 11) as part of a slaughtering line, particularly for slaughtering pigs, whereby the polymer material is, in particular, a vulcanized rubber mixture, comprising a rubber component as well as mixture ingredients, characterized in that an active inhibitor is mixed into the polymer material, which prevents the growth of microorganisms.
2. Hair removal paddle according to claim 1, characterized in that the inhibitor is difficult to dissolve in water.
3. Hair removal paddle according to claim 1 or 2, characterized in that a carrier that is charged with the inhibitor is mixed into the polymer material, specifically with the formation of a carrier/inhibitor adduct.
4. Hair removal paddle according to claim 3, characterized in that the carrier is a molecular sieve, particularly on the basis of a sodium-aluminum silicate, specifically with the formation of a molecular sieve/inhibitor adduct.

5. Hair removal paddle according to claim 3, characterized in that the carrier consists of fibers, specifically with the formation of a fiber/inhibitor adduct.
6. Hair removal paddle according to one of claims 1 to 5, characterized in that the inhibitor is distributed in the polymer in essentially uniform manner.
7. Hair removal paddle according to one of claims 1 to 6, characterized in that the proportion of the inhibitor, with reference to the total mass of the polymer material is 0.1 to 10 wt.-%.
8. Hair removal paddle according to claim 7, characterized in that the proportion of the inhibitor is 0.5 to 5 wt.-%.
9. Hair removal paddle according to one of claims 1 to 8, characterized in that the polymer material is low in plasticizer, particularly free of plasticizer.
10. Hair removal paddle according to one of claims 1 to 9, characterized in that the rubber component is an ethylene-

propylene-diene mixed polymerizate (EPDM) or nitrile rubber (NBR), particularly an EPDM/NBR blend.

11. Hair removal paddle according to one of claims 1 to 9, characterized in that the rubber component is silicone rubber.
12. Hair removal paddle according to one of claims 1 to 9, characterized in that the rubber component is butyl rubber (IIR).
13. Hair removal paddle according to one of claims 1 to 9, characterized in that the rubber component is a halogenated rubber.
14. Hair removal paddle according to claim 13, characterized in that the halogenated rubber is chlorobutyl rubber (CIIR) or bromobutyl rubber (BIIR).
15. Hair removal paddle according to one of claims 11 to 14, characterized in that the rubber component is non-blended.
16. Hair removal paddle according to one of claims 1 to 15, characterized in that with reference to the total mass of the

polymer material, the proportion of the polymer or rubber or blend component, respectively, is 10 to 70 wt.-%, particularly 30 to 70 wt.-%.

17. Hair removal paddle according to claim 16, characterized in that the proportion of the polymer or rubber or blend component, respectively, is 40 to 55 wt.-%.